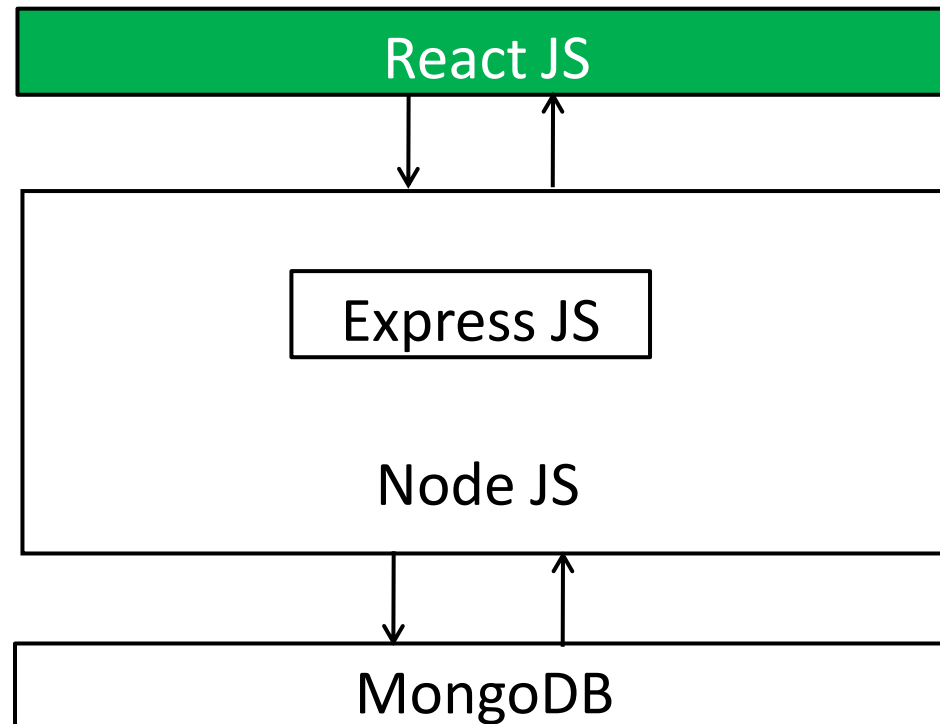# WEB TECHNOLOGIES

MERN Stack – Introduction

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MERN Stack
Introduction

- MERN stands for MongoDB, Express, React, Node
    - MongoDB – document database
    - Express.js – Node.js web framework
    - React.js – a client-side JavaScript Library
    - Node.js – the premier JavaScript web server

- Front End Library (The top tier of MERN Stack)

- The declarative JavaScript Library for creating dynamic client-side applications

- Build up complex interfaces through

    - simple Components,

    - connect them to data on your backend server, and

    - render them as HTML

- Strengths include

    - handling stateful, data-driven interfaces

    - great support for forms, error handling, events, lists, etc.

MERN Stack
Node.JS and Express.JS

- Server side Framework (The middle tier of MERN Stack)

- Express.js server-side framework, running inside a Node.js server

- Has powerful models for URL routing (matching an incoming URL with a server function), and handling HTTP requests and responses

- In turn use Node.js MongoDB drivers, either via callbacks for using Promises, to access and update data in your MongoDB database

MERN Stack
MongoDB

- Database Server (The bottom tier of MERN Stack)

- Application data store(user profiles, content, comments, uploads, events, etc.)

- JSON documents created in the front end can be stored directly in MongoDB for later retrieval through Node.JS and Express.JS

THANK YOU

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